Environment and Local Government
Environnement et Gouvernements locaux

New Nouveau Brunswick

SAINT JOHN RIVER BASIN

CO-OPERATIVE SNOW SURVEY

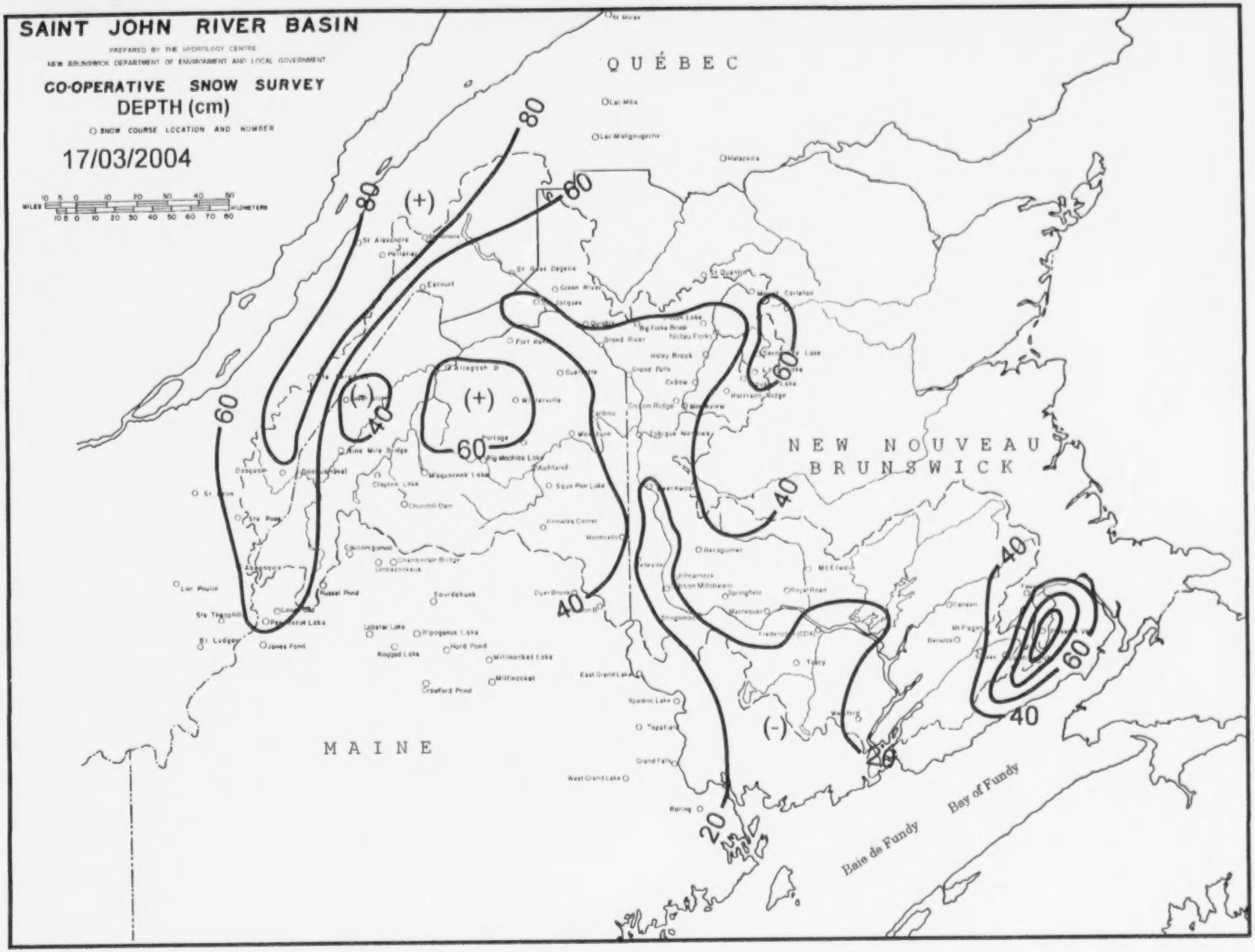
March 15-18,2004

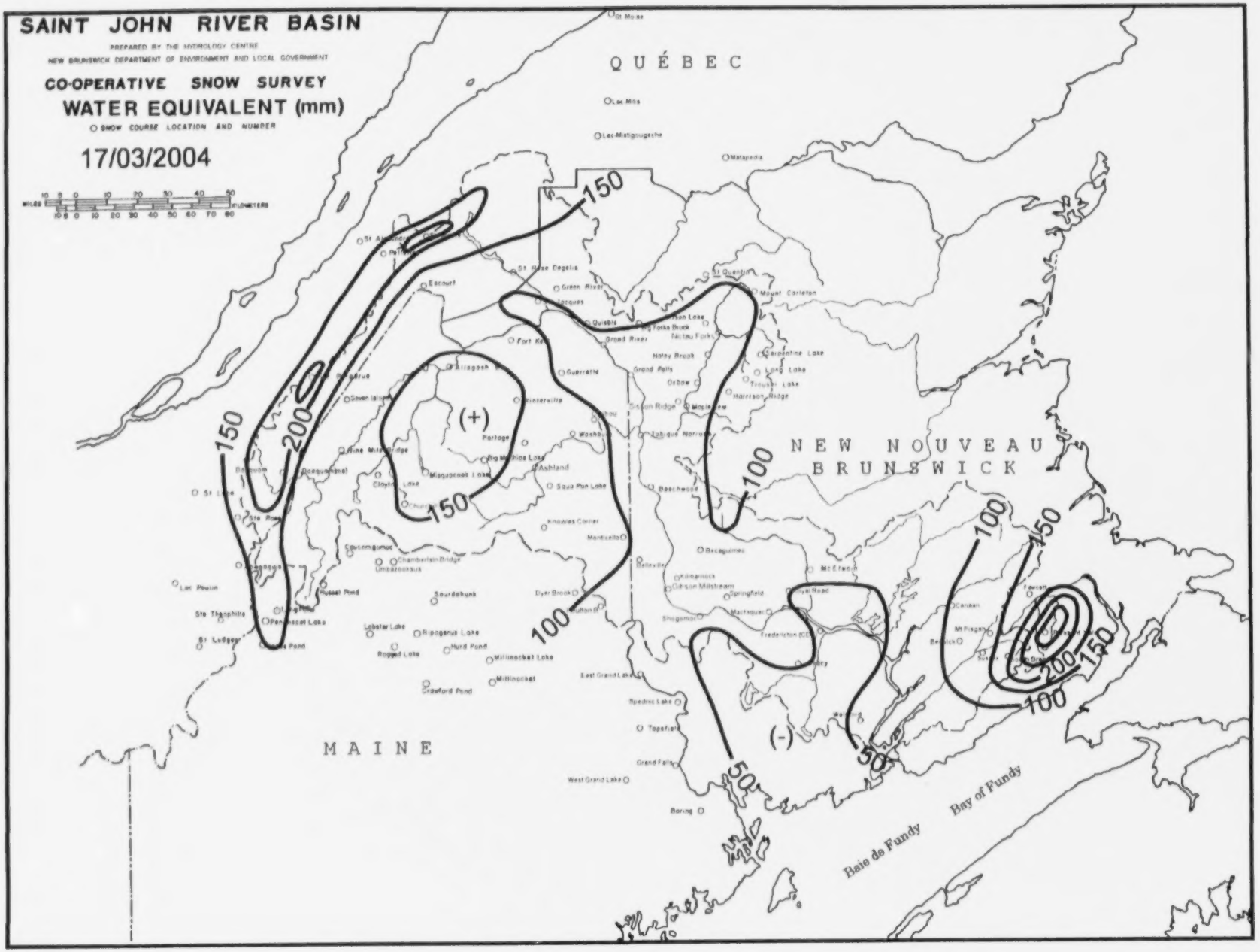
PREPARED BY
HYDROLOGY CENTRE
SCIENCES AND REPORTING BRANCH
NEW BRUNSWICK DEPARTMENT OF
ENVIRONMENT AND LOCAL GOVERNMENT

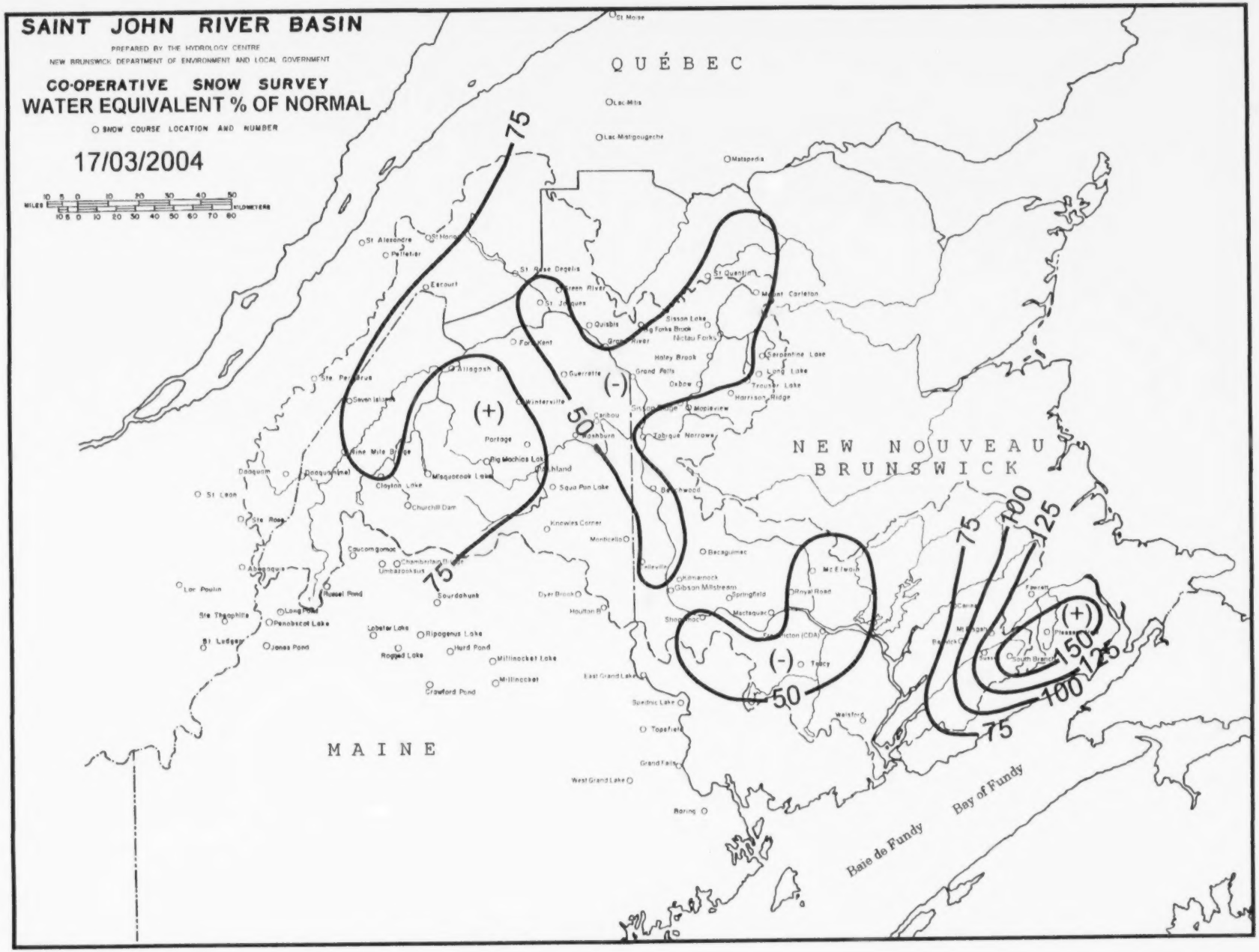
CO-OPERATING AGENCIES

U.S. GEOLOGICAL SURVEY
GREAT NORTHERN PAPER COMPANY
WPS NEW ENGLAND GENERATION
U.S. NATIONAL WEATHER SERVICE
GEORGIA PACIFIC
MINISTERE de l'ENVIRONMENT QUEBEC
N.B. POWER
N.B. ENVIRONMENT and LOCAL GOVERNMENT

104-04862/


SAINT JOHN RIVER BASIN
PREPARED BY THE HYDROLOGY CENTRE
NEW BRUNSWICK DEPARTMENT OF ENVIRONMENT AND LOCAL GOVERNMENT
CO-OPERATIVE SNOW SURVEY
DEPTH (cm)
SNOW COURSE LOCATION AND NUMBER
17/03/2004
MILES
KILOMETERS
QUÉBEC
NEW NOUVEAU BRUNSWICK
MAINE
Baie de Fundy
Bay of Fundy
80
60
40
20
(+)
(-)


SAINT JOHN RIVER BASIN
PREPARED BY THE HYDROLOGY CENTRE
NEW BRUNSWICK DEPARTMENT OF ENVIRONMENT AND LOCAL GOVERNMENT
CO-OPERATIVE SNOW SURVEY
WATER EQUIVALENT (mm)
SNOW COURSE LOCATION AND NUMBER
17/03/2004
QUÉBEC
NEW NOUVEAU BRUNSWICK
MAINE
(+)
(-)
150
200
100
50
Baie de Fundy
Bay of Fundy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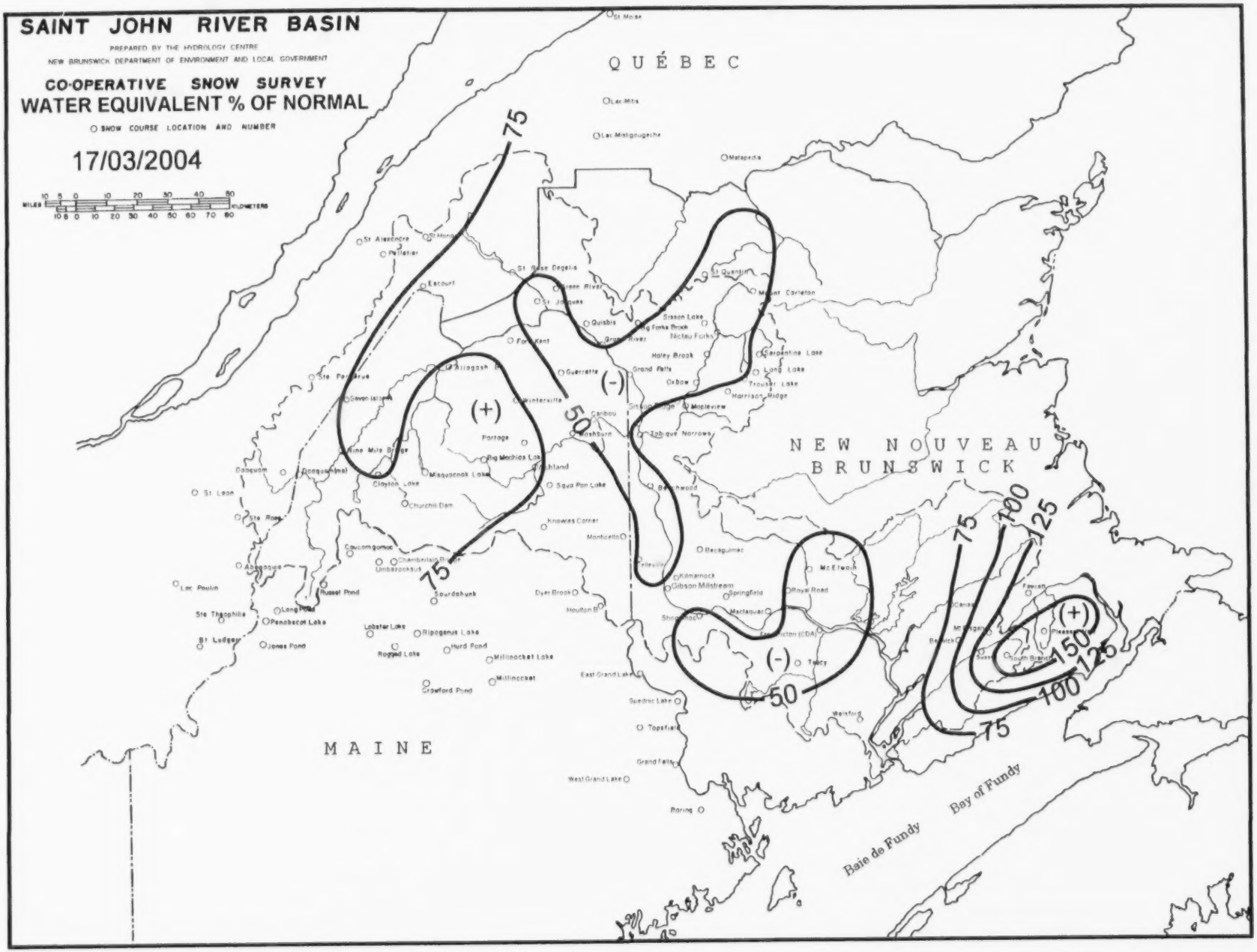
PREPARED BY THE HYDROLOGY CENTRE
NEW BRUNSWICK DEPARTMENT OF ENVIRONMENT AND LOCAL GOVERNMENT
CO-OPERATIVE SNOW SURVEY
WATER EQUIVALENT % OF NORMAL
SNOW COURSE LOCATION AND NUMBER
17/03/2004
MILES
KILOMETERS
QUÉBEC
NEW BRUNSWICK
NOUVEAU
MAINE
Baie de Fundy
Bay of Fundy
(+)
(-)
75
50
100
125
150
St Alexandre
Edmundston
Grand Falls
Woodstock
Fredericton (CDA)
Millinocket
Millinocket Lake
Ripogenus Lake
Penobscot Lake
Jonas Pond
Hard Pond
Rogged Lake
Lobster Lake
Crawford Pond
Sourdahunk
Churchill Dam
Big Machias Lake
Misquacook Lake
Cloyton Lake
Squa Pan Lake
Portage
Caribou
Presque Isle
Houlton
Tracy
Boiestown
Gibson Millstream
Springfield
Royal Road
Becaguimec
Kilmarnock
Topsfield
Grand Falls
West Grand Lake
East Grand Lake
Baring
Waisford


SAINT JOHN RIVER BASIN
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CO-OPERATIVE SNOW SURVEY
WATER EQUIVALENT % OF NORMAL
SNOW COURSE LOCATION AND NUMBER
17/03/2004
MILES
KILOMETERS
QUÉBEC
NEW NOUVEAU BRUNSWICK
MAINE
Baie de Fundy
Bay of Fundy
75
50
100
125
150
(+)
(-)

Mid March 2004
SNOW COURSE STATION LISTING

STATION NAME	CURRENT WATER (mm)	CURRENT DEPTH (cm)	CURRENT DENSITY	LONG TERM AVERAGE WATER (mm)	LONG TERM AVERAGE DEPTH (cm)	LONG TERM AVERAGE DENSITY	YRS OF RECORD	W.E. % OF NORMAL
BECAGUIMEC	81.0	31.8	.255	132.3	61.3	.225	31	61.
BEECHWOOD	48.0	14.5	.331	124.4	46.1	.274	37	39.
BELLEVILLE	58.0	17.8	.326	128.1	53.2	.257	30	45.
BIG FORKS BR.	104.0	39.1	.266	204.0	78.7	.262	23	51.
GIBSON MILLSTREA	66.0	20.3	.325	119.3	49.9	.248	31	55.
GRAND FALLS	71.0	21.3	.333	159.6	59.7	.265	42	44.
GRAND RIVER	97.0	30.7	.316	163.7	65.2	.254	45	59.
GREEN RIVER	102.0	41.4	.246	207.8	79.3	.264	44	49.
HALEY BROOK	61.0	26.9	.227	177.7	68.8	.260	29	34.
HARRISON RIDGE	122.0	53.8	.227	224.0	86.5	.260	46	54.
LONG LAKE	137.0	63.5	.216	247.1	92.1	.270	40	55.
MACTAQUAC	97.0	34.5	.281	148.0	58.4	.252	35	66.
MAPLEVIEW	84.0	27.2	.309	166.8	68.7	.245	45	50.
NICTAU FORKS	76.0	33.5	.227	174.8	72.2	.245	44	43.
OXBOW	33.0	8.4	.393	144.6	54.3	.284	30	23.
QUISBIS	112.0	47.2	.237	202.1	80.9	.252	44	55.
SERPENTINE LAKE	147.0	67.6	.217	230.4	88.4	.263	38	64.
SHOGOMOC	51.0	20.3	.251	134.4	50.5	.272	42	38.
SISSON RIDGE	94.0	38.6	.244	165.9	64.1	.259	46	57.
SPRINGFIELD	81.0	26.7	.303	145.3	61.1	.247	31	56.
ST JACQUES	84.0	34.5	.243	202.5	76.4	.265	44	41.
ST QUENTIN (F)	104.0	49.0	.212	216.8	86.0	.253	31	48.
ST QUENTIN (O)	94.0	36.6	.257	223.1	73.9	.303	29	42.
ST QUENTIN (AVG)	99.0	87.6	.113	211.8	81.4	.259	43	47.
TOBIQUE NARROWS	79.0	27.4	.288	149.6	56.3	.268	44	53.
TROUSER LAKE	109.0	42.2	.258	231.0	87.2	.270	40	47.
MCELWAIN	60.0	23.6	.254	153.8	61.8	.255	33	39.
ROYAL ROAD	47.0	17.8	.264	130.2	39.1	.352	21	36.
ROYAL ROAD EAST	50.0	23.5	.213	150.5	60.4	.249	31	33.
CANAAN	97.0	27.4	.354	135.0	37.5	.359	2	72.
SUSSEX (F)	122.0	33.5	.364	91.2	33.7	.274	35	134.
TRACY (O)	56.0	18.4	.304	110.5	37.5	.319	17	51.
TRACY (F)	52.0	15.4	.338	124.8	46.0	.270	35	42.
WELSFORD (O)	51.0	19.4	.263	76.8	27.5	.446	14	66.
WELSFORD (F)	78.0	30.7	.254	124.1	47.9	.282	13	63.
SQUA PAN DAM C	132.0	43.9	.301	178.2	71.9	.260	40	74.
ASHLAND	142.0	44.7	.318	186.9	75.2	.256	29	76.
FORT KENT	127.0	52.6	.241	187.1	71.3	.265	33	68.
KNOWLES CORNER	135.0	58.7	.230	195.9	74.8	.262	31	69.

Mid March 2004
SNOW COURSE STATION LISTING

STATION NAME	CURRENT WATER (mm)	CURRENT DEPTH (cm)	CURRENT DENSITY	LONG TER AVERAGE WATER (mm)	LONG TER AVERAGE DEPTH (cm)	LONG TER AVERAGE DENSITY	YRS OF RECORD	WATER % OF NORMAL
WINTERVILLE	157.0	65.3	.240	218.5	88.6	.247	30	72.
CLAYTON L.	122.0	48.5	.252	163.5	64.5	.264	23	75.
MUSQUACOOK	152.0	56.6	.269	161.3	62.2	.271	24	94.
BIG MACHIAS	155.0	55.4	.280	157.2	59.2	.284	21	99.
ST. PAMPHILE	130.0	32.0	.406	176.1	71.8	.275	21	74.
ALLAGASH B	158.0	61.5	.257	192.9	74.8	.259	38	82.
MONTICELLO	124.0	46.7	.266	185.5	69.8	.266	2	67.
BARING	64.0	25.4	.252	112.0	41.9	.263	2	57.
KILMARNOCK	71.0	22.9	.310	134.8	55.2	.256	25	53.
GUERRETTE	89.0	43.7	.204	207.1	79.5	.263	27	43.
DAAQUAM	215.0	76.0	.283	233.6	89.5	.261	46	92.
ESTCOURT	110.0	45.2	.243	184.5	68.4	.275	46	60.
MATAPEDIA	116.0	51.3	.226	199.3	81.1	.249	25	58.
PELLETIER	202.0	83.7	.241	251.7	94.0	.268	49	80.
ST ALEXANDRE	196.0	79.9	.245	204.8	76.6	.268	48	96.
ST MOISE	175.0	81.3	.215	255.5	91.9	.280	37	68.
ST PERPETUE	226.0	90.4	.250	238.3	90.4	.265	47	95.
ST ROSE DU DEGEL	126.0	44.2	.285	223.9	81.4	.277	44	56.
ST HONORE	240.0	89.4	.268	244.4	91.2	.268	4	98.

********** NOTE 999.9 INDICATES NO DATA THIS DATE
WATER (W.E.) - WATER EQUIVALENT (mm)
DEPTH - DEPTH OF SNOW (cm)
DENSITY - DENSITY OF SNOW

	LONG TERM AVERAGE W.E. (mm)	LAST YEARS AVERAGE W.E. (mm)	THIS YEARS AVERAGE W.E. (mm)	THIS YEARS % NORMAL W.E. (mm)
SAINT JOHN BASIN	177.5	191.5	110.8	62.
BASIN ABOVE MACTAQUAC	186.9	198.8	119.1	64.
BASIN BELOW MACTAQUAC	128.9	154.8	72.4	56.